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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20030233438"	US-PGPUB; USPAT	OR	OFF	2006/11/30 10:29
L2	1	user.clm. and language.clm. and computer.clm. and authenticat\$3. clm. and authoriz\$3.clm. and interaction.clm. and extract\$3.clm. and analy\$4.clm. and speaker.clm. and verificat\$3.clm. and learning. clm. and predetermin\$5.clm.	US-PGPUB; USPAT	OR	OFF	2006/11/30 10:32
L3	151	user and language and computer and authenticat\$3 and authoriz\$3 and interaction and extract\$3 and analy\$4 and speaker and verificat\$3 and learning and predetermin\$5	US-PGPUB; USPAT	OR	OFF	2006/11/30 10:34
L4	151	user and language and computer and authenticat\$3 and authoriz\$3 and interaction and extract\$3 and analy\$4 and speaker and verificat\$3 and learning and predetermin\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:34
L5	1047	713/186	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:34
L6	2955	713/168 or 713/170	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:35
L7	3868	6 or 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:35

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L8	5	7 and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:37
L9	2922	382/115 or 902/3 or 380/229 or 705/67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:37
L10	2	9 and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:37
L11	6	2 or 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/30 10:38

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Best 200 shown

1 [Special issue of the lexicon: The self-extending phrasal lexicon](#)

Uri Zernik, Michael G. Dyer

July 1987

Computational Linguistics, Volume 13 Issue 3-4**Publisher:** MIT PressFull text available: [pdf\(2.01 MB\)](#) [Publisher Site](#)Additional Information: [full citation](#), [abstract](#), [reference](#)

Lexical representation so far has not been extensively investigated in regard to *language acquisition* text analysis and generation take place in conditions of complete lexical knowledge. That is, no out however, that *productive* as well as *non-productive* word combinations require adequate co lexicon ...

2 [Posters & demos: WebContext: remote access to shared context](#)

Robert G. Capra, Manuel A. Pérez-Quirónes, Naren Ramakrishnan

November 2001

Proceedings of the 2001 workshop on Perceptive user interfaces PUI '01**Publisher:** ACM PressFull text available: [pdf\(136.48 KB\)](#)Additional Information: [full citation](#), [abstract](#), [reference](#)

In this paper, we describe a system and architecture for building and remotely accessing shared context designed to allow a user to browse web pages on a personal computer and then remotely make telephone-based voice user interface.

Keywords: VoiceXML, information access, shared context, software architecture, telephone-based3 [Chat I: Text chat in action](#)

Jacki O'Neill, David Martin

November 2003

Proceedings of the 2003 international ACM SIGGROUP conference on Supporting Group Work**Publisher:** ACM PressFull text available: [pdf\(268.29 KB\)](#)Additional Information: [full citation](#), [abstract](#), [reference](#)

Synchronous text communication is becoming recognized as a valuable workplace communication property. Properties can lead to interactional incoherence. We consider this issue through a detailed analysis of how participants manage their interactions through considering multiple threads, turn taking and topic management to create and manage coherent ...

Keywords: computer supported cooperative work (CSCW), conversation analysis (CA), ethnography



4 Effects of variable initiative on linguistic behavior in human-computer spoken natural language

Ronnie W. Smith, Steven A. Gordon

March 1997

Computational Linguistics, Volume 23 Issue 1

Publisher: MIT Press

Full text available:  pdf(1.99 MB)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

This paper presents an analysis of the dialogue structure of actual human-computer interaction experiments with a variable initiative spoken natural language dialogue system organized around Results about utterance classification into subdialogues, frequency of user-initiated subdialogue linguistic control shifts, and frequency ...



5 Special issue on user modeling: Modeling the user in natural language systems

Robert Kass, Tim Finin

September 1988

Computational Linguistics, Volume 14 Issue 3

Publisher: MIT Press

Full text available:  pdf(2.13 MB)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

For intelligent interactive systems to communicate with humans in a natural manner, they must the role of *user modeling* in such systems. It begins with a characterization of what a user model user model may be required to keep about a user are then identified and discussed. User model of the situation and the implementation ...


6 A multimodal learning interface for grounding spoken language in sensory perceptions

 Chen Yu, Dana H. Ballard

July 2004

ACM Transactions on Applied Perception (TAP), Volume 1 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.73 MB)

Additional Information: [full citation](#), [abstract](#), [refere](#)

We present a multimodal interface that learns words from natural interactions with users. In this system is trained in an unsupervised mode in which users perform everyday tasks while providing system collects acoustic signals in concert with user-centric multisensory information from nonverbal positions, head directions, and hand movements ...

Keywords: Multimodal learning, cognitive modeling, multimodal interaction


7 Classification and links: Bibliometric impact measures leveraging topic analysis

 Gideon S. Mann, David Mimno, Andrew McCallum

June 2006

Proceedings of the 6th ACM/IEEE-CS joint conference on Digital libraries


Publisher: ACM Press

Full text available:  pdf(1.31 MB)

Additional Information: [full citation](#), [abstract](#), [refere](#)

Measurements of the impact and history of research literature provide a useful complement to what has been extensively studied, mostly in the context of journals. However, journal-based metrics are increasingly problematic with the rise of open-access publishing. Recent developments in latent sub-field discovery. The ...

8 Spoken dialogue technology: enabling the conversational user interface

 Michael F. McTear

March 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 1

Publisher: ACM Press

Full text available:  pdf(987.69 KB)

Additional Information: [full citation](#), [abstract](#), [refere](#)

Spoken dialogue systems allow users to interact with computer-based applications such as data The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in However, it is only within the last decade or so, with major advances in speech technology, tha some cases, introduced into commerc ...



Keywords: Dialogue management, human computer interaction, language generation, languag

9 Courses: An introduction to sketch-based interfaces

 Joseph LaViola, Randall Davis, Takeo Igarashi
July 2006 **Material presented at the ACM SIGGRAPH 2006 conference SIGGRAPH '06**
Publisher: ACM Press
Full text available:  [pdf\(31.58 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Sketch-based interfaces are a natural, pencil-and-paper-like approach to interacting with a vari and note-taking systems. This course offers an in-depth discussion of sketch-based interface de sketch-understanding systems. Attendees will learn how these interfaces are designed and how



10 Interacting through different modalities: Visual display, pointing, and natural language: the

 Antonella De Angeli, Walter Gerbino, Giulia Cassano, Daniela Petrelli
May 1998 **Proceedings of the working conference on Advanced visual interfaces**
Publisher: ACM Press
Full text available:  [pdf\(1.56 MB\)](#) Additional Information: [full citation](#), [abstract](#), [refere](#)

This paper examines user behavior during multimodal human-computer interaction (HCI). It dis should be integrated to enhance the usability of multimodal systems. Two experiments were ru natural language and mouse-supported pointing gestures. Results allowed to: (a) develop a tax determine the conditions under which sp ...

Keywords: cross-modal integration, referent identification strategies


11 Developing regions 2: The case for multi-user design for computer aided learning in devel

 Jyojeet Pal, Udai Singh Pawar, Eric A. Brewer, Kentaro Toyama
May 2006 **Proceedings of the 15th international conference on World Wide Web W**
Publisher: ACM Press
Full text available:  [pdf\(415.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [refere](#)

Computer-aided learning is fast gaining traction in developing regions as a means to augment c learning range from supplementing teacher shortages to starting underprivileged children off in education funds to international agencies and private groups interested in child development. T levels, from unsupervised self-guided ...

Keywords: developing regions

12 Linguistics: linguistic topics: Linguistic analysis of natural language communication with co

Bozena Henisz Thompson
September 1980 **Proceedings of the 8th conference on Computational linguistics**
Publisher: Association for Computational Linguistics
Full text available:  [pdf\(1.19 MB\)](#) Additional Information: [full citation](#), [references](#), [citing](#)

13 Speech and gaze: A multimodal learning interface for grounding spoken language in senso

Chen Yu, Dana H. Ballard

 November 2003 **Proceedings of the 5th international conference on Multimodal interface:**

Publisher: ACM Press

Full text available:  [pdf\(849.56 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

Most speech interfaces are based on natural language processing techniques that use pre-defin linguistic information. To understand and use language like their human counterparts in multim spoken language and map it to other sensory perceptions. This paper presents a multimodal int perceptual features by being situated in users ...

Keywords: language acquisition, machine learning, multimodal integration



14 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2


Publisher: MIT Press

Full text available:

 [pdf\(6.15 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#)


15 Computer systems and the design of organizational interaction

 Fernando Flores, Michael Graves, Brad Hartfield, Terry Winograd

April 1988

ACM Transactions on Information Systems (TOIS), Volume 6 Issue 2


Publisher: ACM Press

Full text available:  [pdf\(1.69 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

The goal of this paper is to relate theory to invention and application in the design of systems fi and illustrate a theory of design, technology, and action that we believe has been missing in th thinking is a theory of language as social action, which differs from the generally taken-for-grar approach has been prese ...


16 Natural language with discrete speech as a mode for human-to-machine

 Alan W. Biermann, Robert D. Rodman, David C. Rubin, J. Francis Heidlage

June 1985

Communications of the ACM, Volume 28 Issue 6


Publisher: ACM Press

Full text available:  [pdf\(1.04 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

A voice interactive natural language system, which allows users to solve problems with spoken commercially available discrete speech recognizer which requires that each word be followed by system, subjects were able to learn its use after about two hours of training. The system correc sentences spoken in problem-solving se ...


17 Intelligent interactive video simulation of a code inspection

 Scott M. Stevens

July 1989

Communications of the ACM, Volume 32 Issue 7

Publisher: ACM Press

Full text available:  [pdf\(3.34 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

The need for technological solutions to learning, in the software engineering field is increasing. developed a highly interactive, high-fidelity simulation of group process communication. The fir technical review known as code inspection.

18 Transforming grammar checking technology into a learning environment for second langua
Ola Knutsson, Teresa Cerratto Pargman, Kerstin Severinson Eklundh

May 2003

Proceedings of the HLT-NAACL 03 workshop on Building educational app

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(90.53 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

This paper focuses on the transformation of grammar checking technology into a learning envir
grammar checker for Swedish, called Granska. Two studies have been conducted aimed at expl
second language learning. In the first study, we developed a methodology to study naturalistic
text. In the second study, we were ...

19 [ISIS: an adaptive, trilingual conversational system with interleaving interaction and delega](#)



Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan

September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issu

Publisher: ACM Press

Full text available:  [pdf\(3.71 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) fo
(Cantonese and Putonghua) as well as English---the predominant languages in our region. The
market information and simulated personal portfolios. The conversational interface is augmente
as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

20 [High-quality speech-to-speech translation for computer-aided language learning](#)



Chao Wang, Stephanie Seneff

July 2006 **ACM Transactions on Speech and Language Processing (TSLP)**, Volume 3 Is:

Publisher: ACM Press

Full text available:  [pdf\(603.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [refere](#)

This article describes our research on spoken language translation aimed toward the applicatio
translation framework is incorporated into a multilingual dialogue system in which a student is
the foreign language, while speaking a query in their native tongue at any time to obtain a spol
translation must be extremely ...

Keywords: Speech translation, computer-aided language learning, dialogue systems, machine

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